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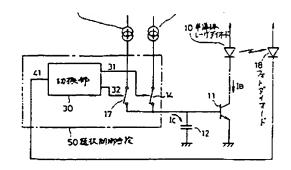
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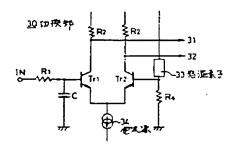
APPLICANT: TOSHIBA CORP;

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INT.CL. : H01S 3/096 // H04B 9/00

TITLE : BURST OPTICAL OUTPUT DEVICE





ABSTRACT :

PURPOSE: To appropriately set an increase curve that a bias is to follow and to make constant the length of time consumed before stabilization regardless of changes in temperature by a method wherein a bias power source is so selected that its acceleration speed may attain a prescribed level based on an optical signal obtained by monitoring an optical signal being yielded by an optical output device and the ambient temperature.

CONSTITUTION: A portion of an optical signal outputted by a semiconductor laser diode 10 is detected by a photodiode 18 belonging to a burst optical output device for stabilizing the optical output level of a semiconductor laser device, and a bias control signal 41 is supplied to a switching section 30 of a selective control means 50. Drive signals 31 and 32, outputted by the switching section 30, operate switches 14 and 17, which function to select between a first power source 15 and second power source 16. The opening and closing of the switches 14 and 17 causes a charge current IC to flow into a capacitor 12. The charge current IC is provided with some temperature characteristics, which enables a bias current selected by the selective control means 50 to flow from the capacitor 12 to the semiconductor laser diode 10 through a transistor 11.

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